

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L1    | 99   | 382/106,154.ccls. and (line) near4 (camera video sensor) near4 (object)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/02/02 12:37 |
| L2    | 85   | 382/106,154.ccls. and (project\$4) near4 (light illuminat\$4) and (point fiducial marker) near4 (object) near4 (sensor video camera)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/02/02 12:37 |
| L3    | 134  | 382/106,154.ccls. and (spot slit) near (light illuminat\$4)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/02/02 12:37 |
| L4    | 178  | 382/106,154.ccls. and (calculat\$4 comput\$4 determin\$4) near4 (rotat\$4 orient\$5) and reference near (shape image object)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/02/02 12:37 |
| L5    | 28   | 382/154.ccls. and calibrat\$4 near3 (camera and (light slit illuminat\$4))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/02/02 12:37 |
| L6    | 1    | (pattern and light and projecting and surface and straight and line and slit and first and second and rotation and shape and entire and object and entire and part and measuring).clm. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR               | ON      | 2009/02/02 12:39 |

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|-----|------|---|--|----|----|---------------------|
| L7  | 1    | ((dimensional and two and three and information and combining and determine and position and measuring and space and surface and object and receiving and captured and camera and area and characteristic and point and new and intersection).dm. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/02<br>12:41 |
| L8  | 126  | ((ban near kazunori) (kanno near ichiro)). inv.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/02<br>12:43 |
| L9  | 79   | ((ban near kazunori) (kanno near ichiro)). inv. and three and dimensional   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/02<br>12:44 |
| L10 | 39   | ((ban near kazunori) (kanno near ichiro)). inv. and three and dimensional and point and measuring   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/02<br>12:44 |
| L11 | 15   | ((ban near kazunori) (kanno near ichiro)). inv. and three and dimensional and point and measuring and parameter   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/02<br>12:44 |
| L12 | 6    | ((ban near kazunori) (kanno near ichiro)). inv. and three and dimensional and point and measuring and parameter and slit  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2009/02/02<br>12:45 |
| S1  | 215  | 382/153.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/20<br>13:07 |
| S2  | 1719 | 382/154.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/23<br>17:04 |

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| S3 | 6      | 382/154.ccls. and kosaka.inv.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/23<br>14:39 |
| S4 | 28     | ("5138667"  <br>"5440392"  <br>"5531520"  <br>"5751843"  <br>"5828770"  <br>"5832139"  <br>"5905806"  <br>"5921992"  <br>"6013308"  <br>"6144761"  <br>"6175647"  <br>"6222937"  <br>"6304680"  <br>"6324296"  <br>"6363169").PN. OR<br>("6724930").URPN. | US-PGPUB;<br>USPAT; USOCR                                      | OR | ON | 2007/02/23<br>14:31 |
| S5 | 899    | 382/154.ccls. and projection  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/23<br>18:13 |
| S6 | 156    | 382/154.ccls. and projection and (marker fiducial)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>08:08 |
| S7 | 128    | 382/154.ccls. and projection and (marker fiducial) and light\$4   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/23<br>19:08 |
| S8 | 383916 | ((OKADA TAKUSHI<br>SUGIMOTO KOICHI<br>SAKAGAMI MUNEYUKI<br>HATA SEIJI).inv.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/23<br>19:09 |
| S9 | 735    | ((OKADA near<br>TAKUSHI) (SUGIMOTO<br>near KOICHI)<br>(SAKAGAMI near<br>MUNEYUKI) (HATA<br>near SEIJI)).inv.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/23<br>19:09 |

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| S10 | 233 | ((OKADA near TAKUSHI) (SUGIMOTO near KOICHI) (SAKAGAMI near MUNEYUKI) (HATA near SEIJI)).inv. and (position )                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/24<br>16:51 |
| S11 | 243 | ((OKADA near TAKUSHI) (SUGIMOTO near KOICHI) (SAKAGAMI near MUNEYUKI) (HATA near SEIJI)).inv. and (position (three near dimensional))     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/23<br>19:10 |
| S12 | 25  | ((OKADA near TAKUSHI) (SUGIMOTO near KOICHI) (SAKAGAMI near MUNEYUKI) (HATA near SEIJI)).inv. and (position and (three near dimensional)) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/23<br>19:10 |
| S13 | 233 | ((OKADA near TAKUSHI) (SUGIMOTO near KOICHI) (SAKAGAMI near MUNEYUKI) (HATA near SEIJI)).inv. and (position )                             | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/24<br>15:54 |
| S14 | 2   | "20040005092".pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/24<br>16:53 |
| S15 | 617 | 382/154.ccls. and projection and light\$4   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/24<br>16:53 |
| S16 | 128 | 382/154.ccls. and projection and (marker fiducial) and light\$4   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/24<br>16:55 |
| S17 | 121 | 382/154.ccls. and projection and (marker fiducial) and light\$4 and ((position location) and (orientat \$4 rotat\$5))                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/24<br>16:56 |

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| S18 | 6    | 382/154.ccls. and kosaka.inv.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/25<br>19:38 |
| S19 | 214  | 382/154.ccls. and robot  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/25<br>18:59 |
| S20 | 66   | 382/154.ccls. and robot with (position location)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/25<br>19:00 |
| S21 | 75   | 382/154.ccls. and affine near2 transform \$5   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/25<br>19:38 |
| S22 | 2    | "20030039403".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>08:08 |
| S23 | 2    | "5604819".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>08:32 |
| S24 | 2    | "6128405".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>13:24 |
| S25 | 2252 | 382/106,154.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>13:24 |
| S26 | 387  | 382/106,154.ccls. and (project\$4) near4 (light illuminat\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>13:28 |
| S27 | 77   | 382/106,154.ccls. and (project\$4) near4 (light illuminat\$4) and (point fiducial marker) near4 (object) near4 (sensor video camera) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>13:37 |

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| S28 | 2   | "6574361".pn.   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>13:38 |
| S29 | 2   | "6046745".pn.   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>13:38 |
| S30 | 2   | "5699444".pn.   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>13:38 |
| S31 | 77  | 382/106,154.ccls. and<br>(project\$4) near4<br>(light illuminat\$4) and<br>(point fiducial marker)<br>near4 (object) near4<br>(sensor video camera) | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/17<br>17:44 |
| S32 | 122 | 382/106,154.ccls. and<br>(spot slit) near (light<br>illuminat\$4)   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19<br>12:35 |
| S33 | 86  | 382/106,154.ccls. and<br>(line) near4 (camera<br>video sensor) near4<br>(object)  | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19<br>12:36 |
| S34 | 268 | 382/106,154.ccls. and<br>(distance) near4<br>(camera video sensor)<br>near4 (object)  | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19<br>16:50 |
| S35 | 0   | 382/106,154.ccls. and<br>geometric\$2 near4<br>(deform\$5) near4<br>(parameter)   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19<br>16:52 |
| S36 | 24  | 382/106,154.ccls. and<br>geometric\$2 near4<br>(deform\$5)  | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19<br>17:50 |
| S37 | 2   | "20040080758".pn.   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19<br>17:50 |

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| S38 | 2   | "20040080758".pn.   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19<br>23:22 |
| S39 | 2   | "20020097906".pn.   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19<br>23:26 |
| S40 | 507 | 382/106,154.ccls. and<br>(calculat\$4 comput\$4<br>determin\$4) near4<br>(rotat\$4 orient\$5) and<br>reference                              | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/19<br>23:28 |
| S41 | 154 | 382/106,154.ccls. and<br>(calculat\$4 comput\$4<br>determin\$4) near4<br>(rotat\$4 orient\$5) and<br>reference near (shape<br>image object) | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/20<br>01:29 |
| S42 | 2   | "5280542".pn.   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/20<br>02:26 |
| S43 | 2   | "5917940".pn.   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/20<br>02:52 |
| S44 | 30  | liew.xa.  | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/20<br>02:53 |
| S45 | 19  | 382/153.ccls. and<br>camera near4 mount<br>\$4 near4 robot  | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/20<br>02:53 |
| S46 | 87  | 382/153.ccls. and<br>(position location)<br>near4 information   | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/20<br>13:13 |
| S47 | 46  | 382/153.ccls. and<br>(position location)<br>near4 information and<br>(camera video sensor)<br>near4 (robot)                                 | US-PGRUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/20<br>13:14 |

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| S48 | 33  | 382/153.ccls. and<br>(position location)<br>near4 information and<br>(camera video sensor)<br>near4 (mount\$5) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2007/12/20<br>13:14 |
| S49 | 367 | 382/154.ccls. and<br>calibrat\$4 near3<br>camera   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2008/07/23<br>13:10 |
| S50 | 26  | 382/154.ccls. and<br>calibrat\$4 near3<br>(camera and (light slit<br>illuminat\$4))                            | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2008/07/23<br>13:22 |
| S51 | 2   | "5280542".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/23<br>17:34 |
| S52 | 0   | ("4926489"<br>"7263216").inv.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2008/07/30<br>15:49 |
| S53 | 4   | ("4926489"<br>"7263216").pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2008/07/30<br>15:49 |
| S54 | 2   | "7263216".pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2008/07/30<br>18:48 |
| S55 | 4   | ("4926489"<br>"7263216").pn.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB          | OR | ON | 2008/07/30<br>22:56 |

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